

FORM
6Rev
12/05

State of Colorado

Oil and Gas Conservation Commission

1120 Lincoln Street, Suite 801, Denver, Colorado 80205 Phone: (303) 894-2100 Fax: (303) 894-2109



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09/07/2011

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WELL ABANDONMENT REPORT

This form is to be submitted as an Intent to Abandon whenever an abandonment is planned on a borehole. After the abandonment is complete, this form shall again be submitted as a Subsequent Report of the actual work completed. The approved intent shall be valid for six months after the approval date, after that period, a new intent will be required. Attachments required with the Intent to Abandon are wellbore diagrams of the current configuration and the proposed configuration with plugs set.

A Subsequent Report of Abandonment shall indicate the actual work completed. Attachments required with a Subsequent Report are a wellbore diagram showing plugs that were set and casing remaining in the hole, the job summaries from all plugging contractors used, including wireline and cementing (third party verification) and any logs that may have been run during abandonment.

OGCC Operator Number: 62340

Contact Name: ANDREW BUSCH

Name of Operator: NATIONAL FUEL CORPORATION

Phone: (303) 220-7772

Address: 8400 EAST PRENTICE AVE #1100

Fax: (303) 220-7773

City: GREENWOOD State: CO Zip: 80111-

Email: ABUSH@NATIONAL-FUEL.COM

For "Intent" 24 hour notice required,

Name: BROWNING, CHUCK

Tel: (970) 433-4139

COGCC contact:

Email: chuck.browning@state.co.us

API Number 05-077-08506-00

Well Name: FEDERAL

Well Number: 2-24-81

Location: QtrQtr: NWSW Section: 24 Township: 8S Range: 101W Meridian: 6

County: MESA

Federal, Indian or State Lease Number: 35599

Field Name: COAL GULCH

Field Number: 11450

☒ Notice of Intent to Abandon☐ Subsequent Report of Abandonment

Only Complete the Following Background Information for Intent to Abandon

Latitude: 39.346525

Longitude: -108.611579

GPS Data:

Data of Measurement: 07/09/2009

PDOP Reading: 3.4

GPS Instrument Operator's Name: BEN JOHNSON/ULES

Reason for Abandonment:

☐ Dry☒ Production for Sub-economic☐ Mechanical Problems☐ OtherCasing to be pulled: ☐ Yes☒ No

Top of Casing Cement:

Fish in Hole: ☐ Yes☒ No

If yes, explain details below

Wellbore has Uncemented Casing leaks: ☐ Yes☒ No

If yes, explain details below

Details: THE FOLLOWING PLUGGING PROCEDURE IS FOR WORK TO BE PERFORMED.

Current and Previously Abandoned Zones

| Formation | Perf. Top | Perf. Btm | Abandoned Date | Method of Isolation | Plug Depth |
|-----------|-----------|-----------|----------------|---------------------|------------|
| CAMEO | 1704 | 1726 | | | |
| DAKOTA | 6403 | 6474 | 11/26/2003 | CEMENT | 6111 |
| MORRISON | 6515 | 6536 | 07/28/1982 | RETAINER/SQUEEZED | 6509 |

Total: 3 zone(s)

Casing History

| Casing Type | Size of Hole | Size of Casing | Weight Per Foot | Setting Depth | Sacks Cement | Cement Bot | Cement Top | Status |
|-------------|--------------|----------------|-----------------|---------------|--------------|------------|------------|--------|
| SURF | 12+3/4 | 10+3/4 | 40.5 | 188 | 217 | 217 | 0 | VISU |
| 1ST | 8+3/4 | 7 | 20 | 2,312 | 135 | 2,312 | 1,312 | CALC |
| 2ND | 6+1/4 | 4+1/2 | 11.6 | 6,729 | 135 | 6,729 | 6,165 | CBL |

Plugging Procedure for Intent and Subsequent Report

CIBP #1: Depth _____ with _____ sacks cmt on top. CIPB #2: Depth _____ with _____ sacks cmt on top.
CIBP #3: Depth _____ with _____ sacks cmt on top. CIPB #4: Depth _____ with _____ sacks cmt on top.
CIBP #5: Depth _____ with _____ sacks cmt on top.

NOTE: Two(2) sacks cement required on all CIBPs.

Set 20 sks cmt from 1730 ft. to 1650 ft. Plug Type: CASING Plug Tagged: ☒

Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Set _____ sks cmt from _____ ft. to _____ ft. Plug Type: _____ Plug Tagged: ☐

Perforate and squeeze at 238 ft. with 110 sacks. Leave at least 100 ft. in casing _____ CICR Depth

Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

Perforate and squeeze at _____ ft. with _____ sacks. Leave at least 100 ft. in casing _____ CICR Depth

(Cast Iron Cement Retainer Depth)

Set _____ sacks half in. half out surface casing from _____ ft. to _____ ft. Plug Tagged: ☐

Set _____ sacks at surface

Cut four feet below ground level, weld on plate Above Ground Dry-Hole Marker: ☒ Yes ☐ No

Set _____ sacks in rat hole Set _____ sacks in mouse hole

Additional Plugging Information for Subsequent Report Only

Casing Recovered: _____ ft. of _____ inch casing Plugging Date: _____

*Wireline Contractor: _____ *Cementing Contractor: _____

Type of Cement and Additives Used: _____

Flowline/Pipeline has been abandoned per Rule 1103 ☐ Yes ☐ No *ATTACH JOB SUMMARY

Technical Detail/Comments:

I hereby certify all statements made in this form are, to the best of my knowledge, true, correct, and complete.

Signed: _____ Print Name: ANDREW BUSCH

Title: VP OF OPERATIONS Date: 8/30/2011 Email: ABUSH@NATIONAL-FUEL.COM

Based on the information provided herein, this Well Abandonment Report (Form 6) complies with COGCC Rules and applicable orders and is hereby approved.

COGCC Approved: KRABACHER, JAY Date: 10/7/2011

CONDITIONS OF APPROVAL, IF ANY: _____ Expiration Date: 4/6/2012

Attachment Check List

| Att Doc Num | Name |
|-------------|-------------------------|
| 2089508 | WELLBORE DIAGRAM |
| 2505929 | FORM 6 INTENT SUBMITTED |
| 2505930 | OTHER |

Total Attach: 3 Files

General Comments

| <u>User Group</u> | <u>Comment</u> | <u>Comment Date</u> |
|--------------------------|---|----------------------------|
| Engineer | opr P&A'd well below 2344 (Nov. 2003). 4.5" casing cut off @ 2344'. CBP @ 2200'. Morrison & Dakota fms abandoned prior to this P&A. | 10/7/2011 3:47:36 PM |
| Permit | Attached wbd | 10/6/2011 4:52:37 PM |
| Permit | No WBD attached Completion report is old style single form which fulfills current requirements | 9/9/2011 3:31:25 PM |

Total: 3 comment(s)